

SWAT Input Files: Conversion from string is not valid

Posted by gmflores - 2008/02/02 20:07

Hi! I'm starting to use AGWA2,

In the AGWA2-Tutorial1.pdf (step 4.1.b) when I select the 22902 precipitation file, the following message appears:

SWATFormSWATRun.GetDates()

Conversion from string "12/31/1973" to type 'Date' is not valid.

What's wrong with this file?

Thank you!

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Re:SWAT Input Files: Conversion from string is not valid

Posted by isburns - 2008/02/04 19:59

I believe this is a difference in the "Regional and Language Options" settings available in Windows Control Panel. I'm guessing that whatever region you have selected has a different format for "Short date:" then the one AGWA is looking for (mm/dd/yyyy). To verify this is the case, check what format the Short date is in for your selected region.

If this looks like it is the problem, as a temporary workaround until a new version is compiled, you need to either customize your selected region to have a Short date in the format AGWA expects or select a region that already has a Short data in the format that AGWA expects.

Shea

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Re:SWAT Input Files: Conversion from string is not valid

Posted by gmflores - 2008/02/05 15:31

Thank you Shea,

You are right!

Best regards,

Guillermo.

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/04/12 10:34

found it Shea. the error i am recieving however is slightly different, same basic issue though.

FormSWATWrite.GetDates()

conversion from string "" to type 'Integer' is not valid.

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/04/20 11:24

Is it possible that the problems i am having with AGWA not writing my precip file are due to the fact that i am using Office 2007? Bear with me here, .dbf is not a formatting option for saving documents. i can open a dbf which i created elsewhere in excel 2007, but it often adds extra fields which are empty to my document. Also, i can't save any changes i make.

what do ya think?

(see above for error message)

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/05/03 12:15

i checked my regional settings and they appear fine. i have also tried running AGWA with my data on multiple machines and i always get the same message so i think it is a problem with my precip data and not with the computer, but i can't figure it out. ./ the formatting and everything is seemingly identical to data i've previously run which went fine. no idea.

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/05/06 14:38

i am attaching a zipped folder containing the precipitation dbf file that i am having issues with. If you have a second could you take a look and let me know if you can find anything wrong with it Shea?
http://www.tucson.ars.ag.gov/agwa/images/fbfiles/files/precip_all_80.zip

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/05/07 12:54

Got it figured out. problem was with my precip shapefile; my station ID column was titled ID. shoulda read the manual more closely i guess. :)

So, now the .pcp file SEEMS to write properly, and the SWAT input files SEEM to write properly, and SWAT SEEMS to run properly, but when i try to view results there aren't any. the simulation is empty. so im now searching the forum for info on this issue.

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/05/17 12:10

still having issues running SWAT for one of my time series'. a bunch of errors appear in the window just before it disappears but i can't seem to capture a screen shot to read them. is there a way to keep the window from closing, or another way to capture a shot of the window before it closes besides hitting "print screen"? i ran the model through the Run command line window but i still can't seem to capture a shot.

ideas?

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Re:SWAT Input Files: Conversion from string is not valid

Posted by isburns - 2010/05/24 15:57

Hi karrez,

Sorry it's taken awhile for a response, things have been busy. Anyway, instead of running the model from the Run box, open a command prompt. You do this by typing cmd from the Run box. The command prompt that appears will be persistent, so nothing you run in it will disappear. From there, just navigate to the simulation directory and run SWAT from there.

If you're not familiar with navigating through directories from the command prompt, use the example below.

Example simulation directory

E:AGWA2workspacermed3d3s1simulationssim1

The command prompt will open on the C drive, so if this example you'd need to change drive letters.
E:

From there, it's changing to the correct directory.
cdAGWA2workspacermed3d3s1simulationssim1

And then running the model.
swat2000

In the above example, the workspace in the Delineation form was set to E:AGWA2workspacerme, the delineation is named d3, the discretization is named d3s1, and the simulation is named sim1.

Hope that gets you started. Once you see the command prompt and run the model, if you can't figure out the problem from there take a screen shot of it and post it.

Shea

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/05/25 11:55

i ran SWAT from the command window as you suggested and this is what it came up with. this looks like the same message i got a year ago when i was working with a different basin, and that time the problem was with the datapath of my inputs and folders. this time however i have already gotten the model to run 8 other simulations with identical data structure. anyway, what do you make of it?

by the way, 80not4 80=refers to the original 1976-1980 precip data, not= with no terraces incorporated into the DEM, 4 year simulation (1976-1979) since i am having issues with my 1980 data.

<http://www.tucson.ars.ag.gov/agwa/images/fbfiles/images/80not4window.JPG>

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/05/25 12:01

here is a screen shot of the first simulation i tried for 1976-1980. swat seems to be getting stuck on the 5th year of data so i just modeled 76-79 instead and it worked for both of my simulations with terraces but i am still getting stuck with my no-terraces simulation.

<http://www.tucson.ars.ag.gov/agwa/images/fbfiles/images/80notwindow.JPG>

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/06/02 15:15

For whatever reason, my problem-simulation runs fine when i use SWAT2000, but not with SWAT2005 which is what i have been trying to use because its newer. the problem is that SWAT2000 and 2005 produce dramatically different outputs from the same inputs, and since 2005 is new i assume its better, is that wrong? what i am left wondering is if i should just settle on using SWAT2000 for all of my time series' of data. in your opinion is there a big advantage to using SWAT2005? i looked at some documentation from the SWAT website but it was unclear about read advantages or disadvantages of one over the other.

i guess i should try to find some actual measurements taken in my study area and just see how close/far off my SWAT2000 and 2005 outputs are.

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Re:SWAT Input Files: Conversion from string is not valid

Posted by isburns - 2010/06/03 16:44

Actually, I'm about to remove the SWAT2005 executable and recommend everyone who has downloaded it to switch back to using SWAT2000. We've discovered a routing problem in the version of SWAT2005 that we've been distributing which would explain the dramatically different results you're seeing between the two versions. Unfortunately, the versions of SWAT2005 available at the SWAT website do not work with AGWA, but we're investigating a solution. Once one becomes available, I'll make an announcement on the forum, the front page of the website, or both.

You're not having trouble with SWAT2000 and the 1980 year of data, correct?

Shea

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/06/07 10:29

yes that's correct, my 1980 data is modeling fine using SWAT2000.

Good to know, i guess i will go ahead and just run all my time simulations with SWAT2000 then. thanks for the info.

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Re:SWAT Input Files: Conversion from string is not valid

Posted by karrez - 2010/06/17 12:39

actually, my 1980 data did NOT model with swat2000. i misread your question, and i have been otherwise occupied for the last week. :/

i was able to successfully run a simulation with 1976-1979 precip but i still can't run with the 1980 data. attached is a screen shot from the command window.

<http://www.tucson.ars.ag.gov/agwa/images/fbfiles/images/80no5window.JPG>

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Re:SWAT Input Files: Conversion from string is not valid

Posted by isburns - 2010/06/17 16:17

Looks like there is a problem with the precip file but it's hard to say exactly what from the screenshot. Can you zip the simulation directory and attach it?

shea

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